Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/22/2017 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125227	0	1.15	125096	1.11
Blue	F	SSC	125000	124627	-1	2.55	124976	2.23
Blue	E	FITC	23615	22656	-5	2.31	1007	10.60
Blue	D	PE	26739	26513	-1	1.85	953	9.75
Blue	B	PerCP-Cy5-5	48339	47119	-3	3.27	1352	16.81
Blue	A	PE-Cy7	45021	44172	-2	4.93	691	34.92
Red	C	APC	53064	52437	-2	2.76	3035	9.35
Red	A	APC-Cy7	57175	56490	-2	2.78	1166	11.42
Violet	B	V450	14728	14079	-5	5.71	677	9.95
Violet	A	V500	58621	57486	-2	5.66	2544	7.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19877	2.09	608	-6	N/A	N/A	Pass
Blue	F	SSC	61606	1.46	545	-1	N/A	N/A	Pass
Blue	E	FITC	114	37.93	544	-4	0.0188	48	Pass
Blue	D	PE	210	29.09	535	-1	0.1639	260	Pass
Blue	B	PerCP-Cy5-5	213	44.48	632	-3	0.0102	90	Pass
Blue	A	PE-Cy7	76	117.05	691	-2	0.0122	16	Pass
Red	C	APC	352	27.98	598	1	0.0209	110	Pass
Red	A	APC-Cy7	128	41.78	582	2	0.0053	1766	Pass
Violet	B	V450	82	43.31	465	-5	0.0461	2066	Pass
Violet	A	V500	187	22.75	493	-4	0.0162	652	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.00	-31.39	0.93
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.21	14.40 - 21.60	N/A	N/A	31.08	31.64	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10069

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments